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广西胡颓子属(胡颓子科)三新种

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Three new species of *Elaeagnus* (Elaeagnaceae) from Guangxi, China

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关键词 胡颓子属;弄化胡颓子;膝柱胡颓子;异叶胡颓子;新种;中国

1 弄化胡颓子 新种 图1:1~2

Elaeagnus obovatifolia D. Fang, sp. nov. Fig.1:1~2

A *E. pingnanensi* C. Y. Chang foliis obovatis, subtus cinereo-viridulis, filamentis et antheris 2~2.5 mm longis, stylo curvis sparse stellato-pilosis, stigmate apice gyriflexo recedit.

Frutex sempervirens, ca. 2 m altus, inermis. Ramuli dense viridulo-fusculo-lepidoti, adulti fusco-viriduli. Folia subcoriacea vel coriacea, anguste obovata vel obovata raro obovato-elliptica, 6~12.7 cm longa, 3.5~7.3 cm lata, apice subito breviter acuminata interdum obtuso-rotunda, basi late cuneata vel obtusa, subintegra vel subundulata, paulo revoluta, supra initio dense lepidota vetustate squamis delapsis, impressi-punctata, viridi-brunnea, nitida, subtus cinereo-viridula, dense lepidota, costa supra subimpressa vel subplana, nervis lateralibus utrinsecus 5~6, supra conspicuis, subtus cum costa prominulis; petioli fusculo-viriduli, 8~15 mm longi. Flores extus dense cinereo-viridulo- et sparse fusculo-lepidoti, saepe 4~6 in axillis foliorum aggregati; ramuli floriferi ca. 1~2 mm longi; pedicelli 4~7 mm longi, fusculo-viriduli. Calycis tubus late campanulatus, 7~7.5 mm longus, leviter 4-angulatus, infra lobos dilatatulus, supra ovarium conspicue constrictus, ore 6~7.5 mm in diam., lobis 4, late ovato-triangulatis vel triangulatis, 5~5.5 mm longis, basi 4~4.5 mm latis, apice acutis, intus dense argenteo- vel fusculo-lepidotis, basi pilis sparsis albis mixtis, tubo circum ovarium ellipsoideo, 3~4 mm longo. Stamina 4, antheris 2~2.5 mm longis, filamentis antheris aequilongis raro eas paulo superantibus, versus basin dilatatulis. Stylus curvus, sparse stellato-pilosus; stigma 1.5 mm longum, acuminatum, apice gyriflexum. Fructus non visus.

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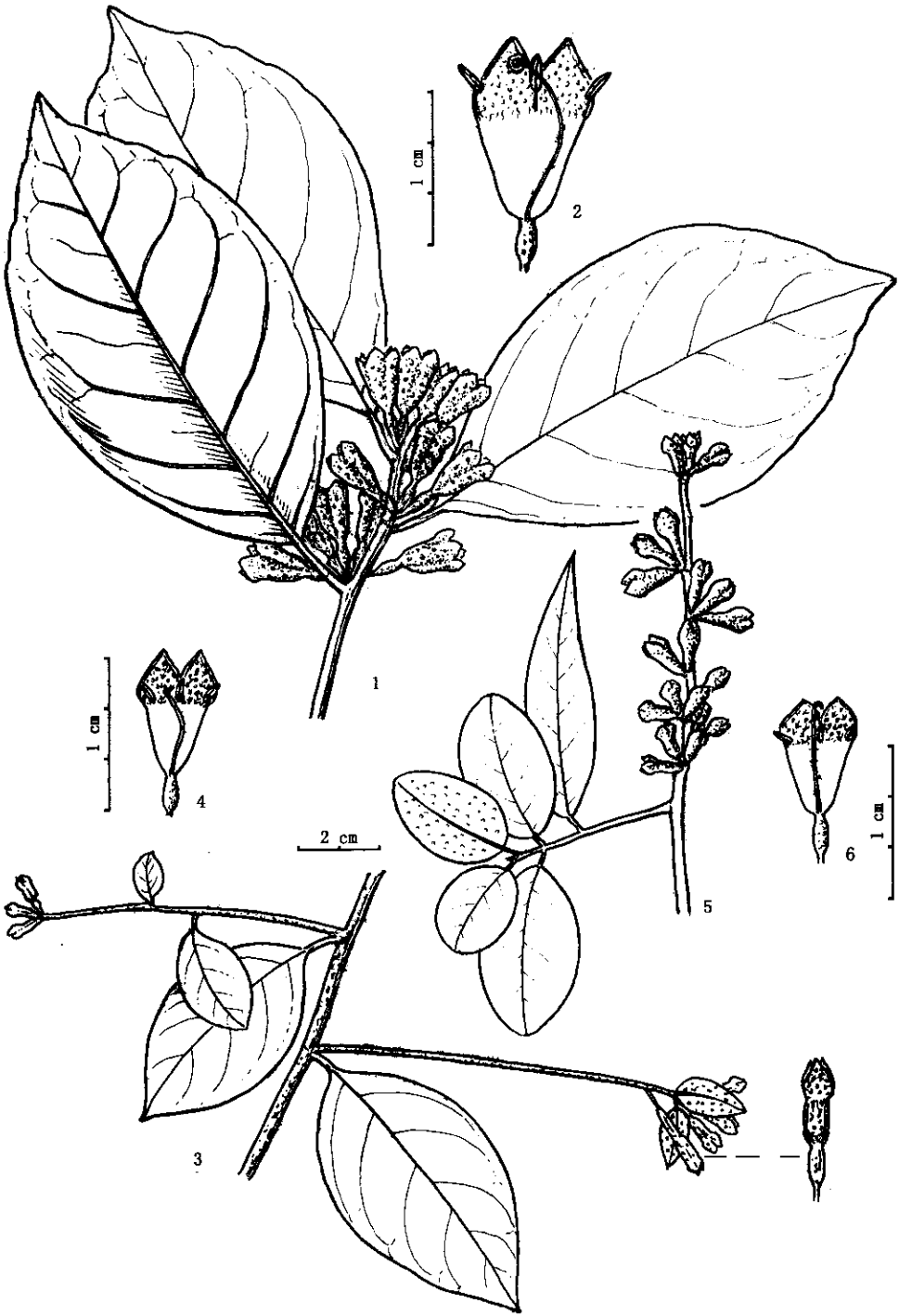

图1 1~2. 弄化胡颓子 1. 花枝; 2. 花萼纵切面。3~4. 膝柱胡颓子 3. 花枝; 4. 花萼纵切面。5~6. 异叶胡颓子 5. 花枝; 6. 花萼纵切面。

Fig.1 1~2. *Elaeagnus obovatifolia* D. Fang 1. Flowering branch; 2. Longitudinal section of calyx. 3~4. *E. geniculata* D. Fang 3. Flowering branch; 4. Longitudinal section of calyx. 5~6. *E. heterophylla* D. Fang et D. R. Liang 5. Flowering branch; 6. Longitudinal section of calyx.

China. **Guangxi**(广西): Napo(那坡), Longhua(弄化), alt. 990 m, on rocky hills, in thickets, rare, 1984-01-23, D. Fang and Z. G. Wang(方鼎、王振刚)78477(holotype, GXMI).

常绿灌木,高约 2 m,无刺。小枝密被淡绿棕色鳞片,老枝棕带绿色。叶革质,狭倒卵形或倒卵形,稀倒卵状椭圆形,长 6~12.7 cm,宽 3.5~7.3 cm,先端骤短渐尖,有时钝圆,基部宽楔形或钝,近全缘或微波状,稍背卷,上面初时密被鳞片,成长后脱落,具凹点,绿棕色,有光泽,下面灰绿色,密被鳞片,中脉上面微凹或近平坦,侧脉每边 5~6 条,上面明显,下面连同中脉稍隆起;叶柄淡棕绿色,长 8~15 mm。花外面密被灰带绿色和散生淡棕色鳞片,常 4~6 朵聚生于叶腋;花枝长约 1~2 mm;花梗长 4~7 mm,淡棕绿色。萼筒宽钟形,长 7~7.5 cm,稍有 4 肋,在裂片下稍扩大,在子房上明显收缩,口部宽 6~7.5 mm,裂片 4,宽卵状三角形至三角形,长 5~5.5 mm,基部宽 4~4.5 mm,先端急尖,内面密被银白色至淡棕色鳞片,基部混生疏白毛,包围子房的萼筒椭圆形,长 3~4 mm。雄蕊 4,花药长 2~2.5 mm,花丝与花药等长,稀稍长,基部稍扩大。花柱弯曲,散生星状毛,柱头长 1.5 mm,渐尖,先端卷成圆形。果实未见。

本种与平南胡颓子 *E. pingnanenisis* C. Y. Chang 接近,但叶倒卵形,下面灰带绿色,花药与花丝长 2~2.5 mm,花柱弯曲,散生星状毛,柱头先端卷成圆形。

2　膝柱胡颓子　新种　图 1:3~4

Elaeagnus geniculata D. Fang, sp. nov. Fig. 1:3~4

Floribus *E. gonyanthei* Benth. similis, a qua foliis ovatis minoribus, nervis lateralibus subtus non prominulis, ramulis floriferis ex axillis foliorum ortis, usque ad 7.5 cm longis, stylo in medio crassiusculo et geniculato, stigmate obliquo differt.

Frutex sempervirens, scandens, inermis. Ramuli juventute dense rufo-lepidoti, adulti brunnei. Folia chartacea vel crasse chartacea, ovata raro anguste ovata vel ovato-elliptica, (1~) 3~6 cm longa, (0.5~)1.4~3 cm lata, apice acuta, basi obtusa, integra, supra initio dense lepidota vetustate squamis delapsis, impressi-punctata, atro-viridia, subtus viridulo-cinerea, dense lepidota, costis supra subplanis vel subimpressis, subtus prominulis, nervis lateralibus utrinsecus 5~8, utrinque fere inconspicuis; petioli 3~7 mm longi, brunnei. Flores cinereo-fusculi, extus dense cinereo-albido- et sparse fusculo-lepidoti, solitarii in axillis foliorum vel 2~3 in racemos breves prope apicem ramulorum dispositi; ramuli floriferi ex axillis foliorum orti, 0.5~7.5 cm longi, brunnei vel rufi; pedicelli 3~5 mm longi. Calycis tubus quadrangulato-campanulatus, (3~)4 mm longus, infra lobos et supra ovarium distincte constrictus, ore 2~2.5 mm in diam., lobis 4, late ovato-triangulatis, 3.5~4 mm longis, basi 3 mm latis, apice acutis, intus dense fusculo-lepidotis vel pilis sparsis albis mixtis, tubo circum ovarium quadrangulato vel quadrangulato-ellipsoideo, ca. 3 mm longo, cinereo-fusculo. Stamina 4, filamentis 1 mm longis, basi dilatatis, antheris 1.5 mm longis. Stylus in medio crassiusculus et geniculatus, glaber; stigma 1mm longum, obliquum. Fructus ignotus.

China. **Guangxi**(广西): Longzhou(龙州), Xiangshui(响水), on rocky hills, rare, 1973-02-22, J. J. Wang(王鉴钧)5449(holotype, GXMI).

常绿攀援灌木,无刺。幼枝密被红棕色鳞片,老枝深棕色。叶纸质或厚纸质,卵形,稀狭卵形或卵状椭圆形,长(1~)3~6 cm,宽(0.5~)1.4~3 cm,先端急尖,基部钝,全缘,上

面初时密被鳞片,成长后脱落,有凹点,暗绿色,下面淡绿灰色,密被鳞片,中脉上面近平坦或稍凹,下面微隆起,侧脉每边5~8,两面几乎不明显;叶柄长3~7 mm,深棕色。花灰带棕色,外面密被灰白色和散生淡棕色鳞片,单生于叶腋或2~3朵在花枝的近顶端排成短总状;花枝腋生,长0.5~7.5 cm,深棕色至红棕色;花梗长3~5 mm。萼筒四角状钟形,长(3~)4 mm,在裂片下和在子房上明显收缩,口部宽2~2.5 mm,裂片4,宽卵状三角形,长3.5~4 mm,基部宽3 mm,先端急尖,内面密被淡棕色鳞片或混生疏白毛,包围子房的萼筒四角形或四角状椭圆形,长约3mm,灰带棕色。雄蕊4,花丝长1mm,基部扩大,花药长1.5 mm。花柱中部稍粗而膝曲,无毛,柱头长1 mm,偏斜。果实未见。

本种的花与角花胡颓子 *E. gonyanthes* Benth. 相似,但叶卵形,较小,侧脉下面不隆起,花枝腋生,长达7.5 cm,花柱中部稍粗而膝曲,柱头偏斜。

3 异叶胡颓子 新种 图1:5~6

Elaeagnus heterophylla D. Fang et D. R. Liang, sp. nov. Fig. 1:5~6

Ob indumentum *E. liuzhouensi* C. Y. Chang similis, sed foliis multiformibus, apice obtusis, acuminatis rotundisque, basi rotundo-obtusis, nervis lateralibus utrinque fere inconspicuis, petiolis et pedicellis omnino brevioribus, floribus saepe (1~)3~5 aggregatis, calycis lobis 2.5~3 mm latis, antheris 1.5 mm longis, stigmate calycis lobis subaequialto differt.

Frutex sempervirens, ramosus, inermis. Ramuli juventute dense ferrugineo-lepidoti, adulti atro-brunnei, saepe sub angulo 90° divergentes. Folia chartacea, late elliptica, lanceolata, anguste ovata, ovato-elliptica vel rotunda, (1.2~)1.9~6.5 cm longa, (0.6~)1.1~2.4 cm lata, apice obtusa, acuminata rotundaque, basi rotundo-obtusa, integra, utrinque dense stellato-puberula et subsparse ferrugineo-lepidota, vetustate supra squamis delapsis, viridi-fusca, subtus viridulo-brunnea, costa supra subimpressa, subtus prominula, nervis lateralibus utrinsecus 4~9, utrinque fere inconspicuis; petioli brunnei vel ferruginei, 3~5 mm longi. Flores cinereo-brunnei, extus dense ferrugineo- et argenteo-lepidoti et sparse argenteo-stellato-puberuli, (1~)3~5 in axillis foliorum aggregati; ramuli floriferi ferruginei, 2~4 mm longi; pedicelli 1~2 mm longi. Calycis tubus breviter tubulari-campanulatus vel tubulari-infundibuliformis, 4.5~5 mm longus, infra lobos leviter contractus, supra ovarium distincte contractus, ore 3~3.5 mm in diam., lobis 4, late vel latissime ovatis, 3 mm longis, basi 2.5~3 mm latis, apice acutis, intus dense cinereo-albido-stellato-pilosis et sparse fusculo-lepidotis, tubo circum ovarium late ellipsoideo vel obovoideo, ca. 2 mm longo, ferrugineo. Stamina 4, filamentis 0.6 mm longis, basi dilatatis, antheris 1.5 mm longis. Stylus rectus, stellato-pilosus; stigma 2 mm longum, deflexum. Fructus non visus.

China. Guangxi(广西): Jinxiu(金秀), on hillslopes, medicinal, 1986-11-10, T. Ji(吉涛)8553(holotype, GXMI).

常绿灌木,多分枝,无刺。幼枝密被锈色鳞片,老枝暗棕色,近90度开展。叶纸质,宽椭圆形、披针形、狭卵形、卵状椭圆形或近圆形,长(1.2~)1.9~6.5cm,宽(0.6~)1.1~2.4 cm,先端钝、渐尖和近圆形,基部圆钝,全缘,两面密被星状微毛和近散生的锈色鳞片,成长后上面毛被脱落,绿棕色,下面淡绿棕色,中脉上面稍凹,下面稍隆起,侧脉每边4~9条,两面几乎不明显;叶柄深棕色至锈色长3~5 mm。花灰棕色,外面密被锈色和银白色鳞片及散生的银白色星状毛,(1~)3~5朵聚生于叶腋;花枝锈色,长2~4 mm;花梗长

1～2 mm。萼筒短筒状钟形或筒状漏斗形，长 4.5～5 mm，在裂片下稍收缩，在子房上明显收缩，口部宽 3～3.5 mm，裂片 4，宽或极宽的卵形，长 3 mm，基部宽 2.5～3 mm，先端急尖，内面密被灰白色星状毛和散生的淡棕色鳞片，包围子房的萼筒宽椭圆形或倒卵球形，长约 2 mm，锈色。雄蕊 4，花丝长 0.6 mm，基部扩大，花药长 1.5 mm。花柱直，被星状毛，柱头长 2 mm，下弯。果实未见。

本种的毛被与柳州胡颓子 *E. liuzhouensis* C. Y. Chang 相似，但叶多型，先端钝、渐尖和近圆形，基部圆钝，侧脉两面几乎不明显，叶柄与花梗均较短，花常(1～)3～5 朵聚生，萼裂片宽 2.5～3 mm，花药长 1.5 mm，柱头与萼裂片近等高。

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